



Product Specification

Chemical Name: Tris(2,2' bipyridyl) ruthenium (II) chloride hexahydrate

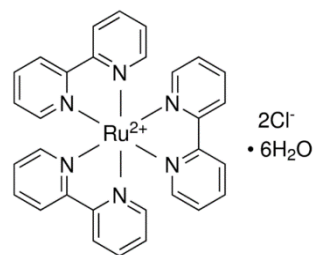
CMI Product Code: 8067

CAS Number: 50525-27-4

Formula: $\text{Ru}(\text{C}_{10}\text{H}_8\text{N}_2)_3\text{Cl}_2 \cdot 6\text{H}_2\text{O}$

Formula Weight: 640.53 g/mol (anhydrous)

Theoretical Ru %: 15.8% (anhydrous)



PARAMETER

SPECIFICATION

Ru Assay

13.5 ± 0.5%

Chemical Purity

≥ 99.0% (based on carbon %)

Microanalysis

Carbon: 48.1 ± 0.6%
Hydrogen: 4.9 ± 0.4%

Infrared Spectrum

Conforms to structure

Appearance

Orange to red crystals

Storage

Light sensitive. Store in a tightly sealed container in a cool, dark, dry location.

Reviewing Chemist: Dr. Bryan Frauhiger, Ph.D., Organometallic Technical Director: BEF

Specification Approval: Dr. Ernest Addo, Ph.D., Director of Quality & Analytical Testing: EA

Specification Revision Date: February 29th, 2016

Revision Level: 0

Colonial Metals warrants, that at the time of product release this product conformed to the information contained on this specification sheet. Purchaser must determine the suitability of the product for its particular use.